

Amendments to the Specification:

Please replace the paragraph starting on page 13, line 11, with the following rewritten paragraph:

-- Fig. **11A-11J** displays textures of 5CB observed between cross polars in optical cells formed from SAMs of $\text{HS}(\text{CH}_2)_{15}\text{CH}_3$ on one surface and $\text{HS}(\text{CH}_2)_{10}\text{COOH}$ pretreated between pH 2-13 on the opposing surface. The deposition direction of gold is oriented parallel to the polarizer.--

Please replace the paragraph starting on page 13, line 15, with the following rewritten paragraph:

-- Fig. **11K** is the measured twist angle as a function of the monolayer composition of $\text{HS}(\text{CH}_2)_{10}\text{COOH}$ and the surface pH pretreatment. The plot illustrates the ability to control the pH of the transition from uniform to twisted orientation.--